

I CLAIM:

1. A computer array, comprising:
a plurality of computers;
5 and a plurality of data paths connecting the computers; wherein:
at least some of the computers are assigned a task different from that assigned to
the other computers.
2. The computer array of claim 1, wherein:
10 each of the computers is assigned a task different from that of the other
computers.
3. The computer array of claim 1, wherein:
at least some of the computers are configured for specific input functions.
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4. The computer array of claim 1, wherein:
at least some of the computers are configured for specific output functions.
5. The computer array of claim 1, wherein:
20 communication between the computers is asynchronous.
6. The computer array of claim 1, wherein:
communication between the computers is via a plurality of parallel data lines.
- 25 7. The computer array of claim 1, wherein:
each of the computers is hard wired to communicate with at least three of the
plurality of computers.
8. The computer array of claim 1, wherein:
30 the quantity of computers is 25.

9. The computer array of claim 1, wherein:
the computers are physically arrayed in a 5 by 5 array.
10. The computer array of claim 1, wherein:
5 at least some of the computers are physically arrayed in a 4 by 6 array.
11. The computer array of claim 1, wherein:
the quantity of computers along each side of the array is an even number.
- 10 12. The computer array of claim 1, wherein:
at least one of the computers is in direct communication with an external memory
source.
13. The computer array of claim 1, wherein:
15 at least one of the computers communicates data from an external memory
source to at least some of the plurality of computers.
14. A method for performing a computerized job, comprising:
providing a plurality of computers; and
20 assigning a different task to at least some of the computers.
15. The method of claim 14, wherein:
at least one of the computers is assigned to communicate with a flash memory.
- 25 16. The method of claim 14, wherein:
at least one of the computers is assigned to communicate with a random access
memory.
17. The method of claim 14, wherein:
30 at least one of the computers is assigned to accomplish an input/output function.

18. The method of claim 14, wherein:
one of the computers routes assignments to the remainder of the computers.

19. A computer array, comprising:
5 a plurality of computers; and
a plurality of data connections between the computers; wherein
at least some of the computers are programmed to perform different functions.

20. The computer array of claim 19, wherein:
10 the different functions work together to accomplish a task.

21. The computer array of claim 19, wherein:
each of the functions is programmed into the respective computers when the
computer array is initialized.

22. The computer array of claim 19, wherein:
communication between the computers is asynchronous.

23. A method for accomplishing a task using a plurality of computers, comprising:
20 dividing a task into operational components and assigning each of the operational
components to one of the computers;
programming at least some of the computers to accomplish each of the
operational components.

24. The method for accomplishing a task of claim 23, wherein:
25 the operational components are operations used in accomplishing a global
positioning system receiver.

25. The method for accomplishing a task of claim 23, wherein:
30 before the task is begun, programming the computers to accomplish each of the
operational components.

26. The method for accomplishing a task of claim 23, wherein:
the computers are arranged in a computer array.